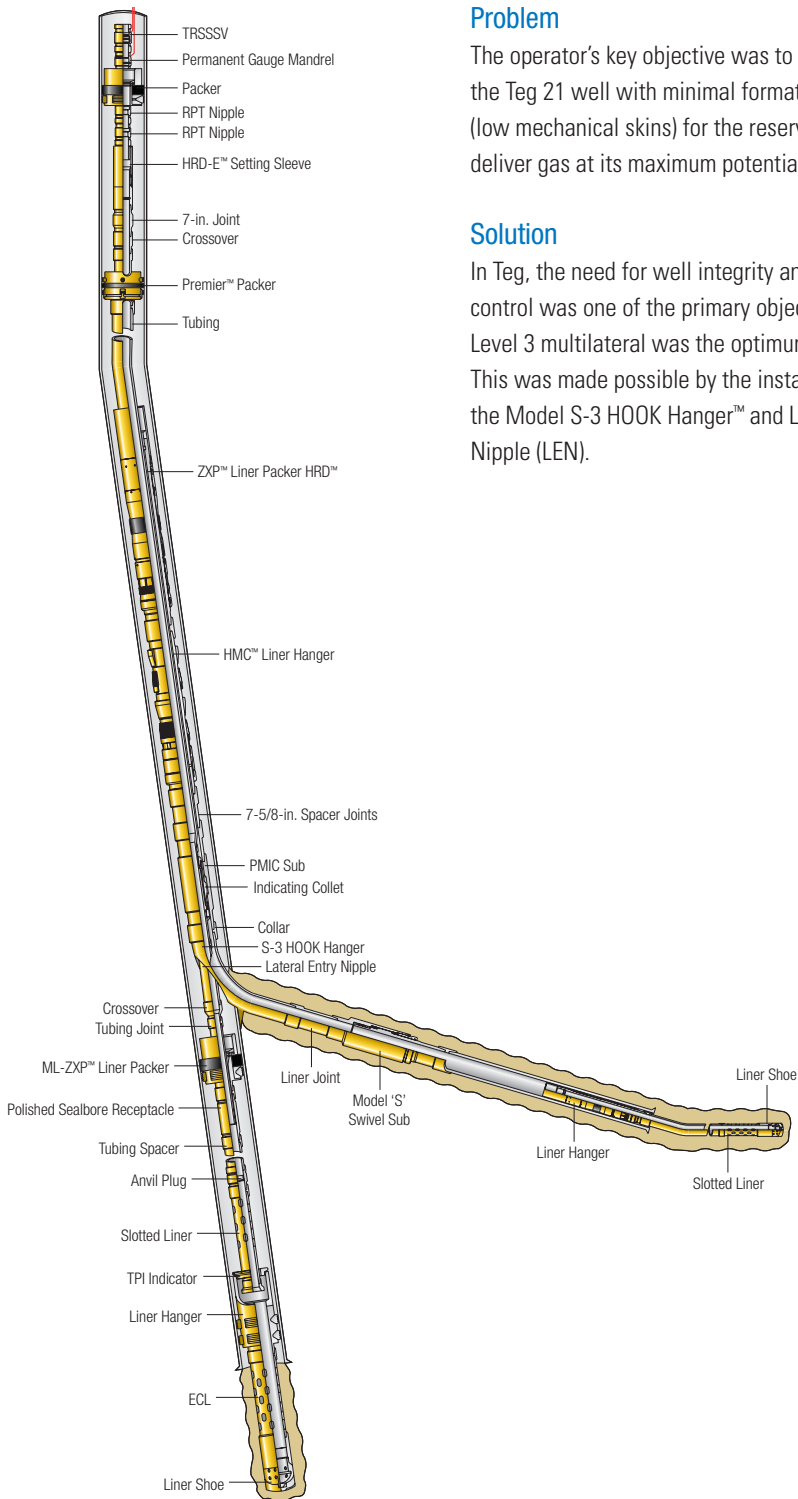


Level 3 Multilateral With Model S-3 HOOK Hanger



Problem

The operator's key objective was to complete the Teg 21 well with minimal formation damage (low mechanical skins) for the reservoir to deliver gas at its maximum potential rate.

Solution

In Teg, the need for well integrity and formation control was one of the primary objectives and Level 3 multilateral was the optimum choice. This was made possible by the installation of the Model S-3 HOOK Hanger™ and Lateral Entry Nipple (LEN).

Results

Teg 21 was successfully completed with the installation of the S-3 HOOK Hanger through a 9-5/8-in. window created by WindowMaster™ casing exit system. Production flow and commingled/selective option through the main bore and lateral was controlled with the installation of the LEN isolation sleeve and FB Diverter. The well was completed with flawless execution and within targeted budget.

Project Details

Project Date: July 2009

Well Location: In Salah, Algeria

Well Type: Gas Producer

Junction Type: Baker Model S-3 HOOK Hanger

Junction Depth: 7,841 ft (2390 m)

Mainbore Casing: 9-5/8 in. 47 lb/ft

Mainbore Liner: 5-1/2-in. ECL

Mainbore Liner Depth: 9,951 ft (3033 m)
measured depth; 45°

Lateral Liner: 7-in., 29-lb/ft/4-1/2-in.,
12.6 lb/ft slotted liner

Lateral Liner Length: 1,640 ft (500 m)

Flow Rate: Substantial flow rate from motherbore
and lateral greatly exceeded expectations